PIKES PEAK RADIO AMATEUR ASSOC.

Ø BEAT

COLO. SPRINGS, COLORADO

AUGUST 1974

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FM OPERATION

FM is a different way of life. It has been developed by technically inclined amateurs interested in developing new operating modes, remote control, and interference free operation; also a desire to get away from boring, stereotyped low band operation. Q codes, useful on CW, have no place on any phone operation, and particularly on FM. Such things as QSO, QSY, QTH, QRM and continual rig description send most FM operators hurrying for the OFF switches.

On an FM receiver, when a signal goes off there is a definite indication in the audio squelch action that the transmitting station is standing by. Such phrases as over, go, go ahead, over to you, etc., are not needed. Because of the channalized operation of FM, there is no need for call CQ or long or repeated calls.

Amateurs are notorious for not giving honest signal reports. (You are five and nine plus 40 db, OM, but I missed your name, call location and report!) Just because

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PRESIDENT'S NEWS

Russ Ruggieri WBØGKF

Well, Field Day has come and gone; however, I think most who attended will agree it was a lot of fun while at the same time showing that organization is necessary to have a viable emergency communications facilities.

This year Field Day netted roughly 1000 contacts or more from the four stations operating at the site. There were two phone, a CW and a Novice station operating at this years site in the Black Forest pi nic area. Everything went fairly smooth with pre-set up of gear and tents on Friday evening. As to be expected, "Murphy" managed to creep in just when he was needed least. Some of the problems that arose were intermitent relays in the phone station, bad transistors in the CW station receiver and the Novice station had their share of transmitter problems. However,

(Continued on Page 3)

ZERO BEAT

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4118 Garret Place, Colo. Spgs. Co 80907
Phone 598-8930

The PPRAA meets at 7:30 P.M. on the second Wednesday of each month in the Security Savings & Loan Building, East Platte at Union Boulevard.

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JULY MINUTES - Bob Tate, WBØJTZ

The July meeting of PPRAA was held on July 10, 1974 at the Security Savings and Loan Building, Union at Platte.....Meeting was called to order by the President, Russ Ruggieri, WBØGKF at 7:50 PM..... Visitors were asked to introduce themselves.....Treasurers report was given by Dean Jaynes, WAØPJH. Accepted as read. Dean again noted that monthly expenditures continue to be greater than monthly income.....Pete Demario, KØUDG, chairman of the repeater committee, gave a report on FM activities. In order to enhance repeater coverage in the area to the west of Pikes Peak, a beam and power divider was placed on the tower on Cheyenne Mountain. However, it did not result in desired additional coverage and will be removed. Research will continue to obtain this coverage. Thought is being given to interchanging the 146.16/76 and 146.37/97 repeater frequencies (locations). This will serve two purposes - first to encourage repeater users to obtain 37/97 crystals, and second to permit further testing of that frequency. Pete further noted that the club has acquired a frequency counter with a 200 MHz capability. Use and control of this counter is to be closely confined; however, all club FMers are encouraged to have their rigs checked and may do so by contacting Pete or Dick Cullen, WBØAGT or Larry Rice, WBØKDN. The repeater users were agaom reminded that repeater dues were due and

(Continued on Page 5)

PROPOSED RULE MAKING ON DOCKET 19723

Notice of Proposed Rule Making on RACES Docket 19723 was issued by the FCC on June 17. According to the proposal, all amateur frequencies are to be shared between RACES operations and all other amateur operations on a first come first served basis (97.185). RACES station licenses would be issued only to a CD organization and would be used only for CD communications and drills (97.171 & 97.191). An Amateur Radio station registered with a CD organization may not communicate with any station not registered with CD (97.189 (b). All communications in the RACES services must be specifically authorized by the CD organization (97.191). The proposal does greatly simplify current regulations. Drills would have a one hour time limit. The proposal would effectively clean up what has been termed a "CB Operation" arising from the present policy of permitting non-amateurs to operate in the system.

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MOONBOUNCE

Amateurs interested in moonbounce will be pleased to learn that EIMAC has a series of booklets on the subject. Write to Bob Sutherland, W6PO, EIMA Division of Varian, 301 Industrial Way, San Carlos, California 94070.

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PRESIDENT'S NEWS - Continued

adjustments were made, transistors changed and everything came out okay.

I would like to take this time to thank all of those who assisted the Field Day in any way. The coordination that existed for this years activity was commendable.

At the July meeting a motion carried to hold a combination club picnic and auction. Time and place is to be determined at this August meeting, but tenatively it will be held the first weekend in September.
tember. Mike, WØPAI had agreed to head the picnic committee, but due to circumstances will not be able to tend this function. Someone willing to spend some time handling this years picnic is badly needed if the event is to be a success.

Pete Demario, KØUDG will be handling the auctioneer duties, so get ready to haul all that precious junk or what have you to the picnic. More discussion will follow at the August meeting. See you there!

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AMATEUR LICENSE POSSESSION

Amateur license possession needs were clarified in a recent discussion with FCC staffers. Your original combination operator/station license must always be in your possession when operating an amateur station - home, mobile or at another ham's station unless he actually manipulates the controls. A photocopy of your license can be posted in your home station and thus make it legal for another amateur (with his amateur license in his pocket) to operate your station, even though you - and your original license - are not present.

HRR via WR8 ABC's

ROSIE'S REPORTINGS

By Rosemarie Lewis WAØMNL

Thoughts on the convention: The weather might have been damp - the spirits were not at the 1974 Rocky Mountain Division Convention in Pueblo in June. We owe the convention committee and the Pueblo Ham Club a big thanks - a lot of effort on their part to make it an outstanding convention.

People attended from as far away as Germany, Australis and Hawaii. I didn't get to attend everything I would have liked to but what I did get to see, I liked. The Ladies' Luncheon was delightful and enjoyed by all. I want to say thanks to Ida Demario, WAØNTA Linda Vidmar, WAØMNN, Judy Felix, YL of KØSLN and Cecelia King, YW of WØLKD who assisted me in putting on a unique style show. This was followed by a CF & I tour - and if you haven't toured the "Steel City", you should do so.

The large convention area showed the latest in the "Goodies" department. Antenna for your boat, a "car" radio, new Colorado Ham Directory, and a couple of new squeeze keyers. You name it - it was there.

WØITU, Don Carlos, put on an excellent program (what else but RTTY?). He was available to help anyone with a RTTY problem and general discussion for those who wanted to just talk. There were RTTY pictures for the taking. When RTTY sends pictures and streakers rule via the waves, we have arrived! In this room was a CW typewriter - no, that's not what it is called. The OP sits down, types the message, and it goes out as perfect CW. The words are printed on a monitor and you can sit there and read the message.

Eldon, WAØERA helped with the Woulf Hong - said there were over 30 in the group. I was a delegate to CCARC and was impressed with that group and the goals they have in mind. Chuch, WAØZCS does a good job representing PPRAA.

On and on goes the list of things to see and do at the convention. The food was good and the service A-OK at the Ramada Inn. One of the overall impressions that comes to mind is of the ARRL officials we met. We had the priviledge of having the President, Harry Dannals, W2TUK with us. He and the others were never too busy to give of their time so that we might be more informed of ARRL - and they are such nice people too.

Prizes were given away at the Sunday Noon Banquet. The big prize went to a YL from New Mexico, but Colorado Springs had Milt, WAØYTK, Mike, WØLVU, George, WØGCH, John, WAØHHN and others taking home some of the treasures. Thanks again to the Convention Committee!

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WARNING!

The Surgeon General has determined that transmitter smoking can be dangerous to your health.

DARA BULLETIN Via WESPARK RADIOPS

WALKER ELECTRONICS

New Address

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Phone 636-1661

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NEW ADVERTISER

ZERO BEAT welcomes a new advertiser this month - Lange's Muzzle Loading Gun Shop.

The owner is Dave Lange, W9KEN/Ø. A ham for over 10 years, Dave has lived in Colorado Springs for the last 4 years. Look for him on 14MC RTTY when he's not out making huge clouds of smoke with one of his muzzle loaders.

A skilled gunsmith, Dave is a member of the Colorado Springs Muzzle Loaders Club which meets the first Wednesday of each month. Anyone interested in the club can call Dave at his shop or home (see advertisement elsewhere in this issue).

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CALL LETTER LICENSE PLATES

Renewal forms for the 1975 call letter license plates are now being received by those who hold such a plate this year. If you have not held such a plate and wish to apply for one for 1975, contact:

State of Colorado
Department of Renenue
Motor Vehicle Division
1375 Sherman Street
Denver, Colorado 80203

QSP

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JULY MINUTES (Continued)

payable. It is noted that many of the repeater users, due undoubtedly to an oversight, have failed to submit current dues.....A TVI complaint, one of the very few received of late, was given to the TVI Committee chairman, Dick Cullen for investigation.....Chuck Myers, WAØZCS, our CCARC representative, gave his report. Colorado Ham Directories are still available for purchase. Updating sheets for those who have already purchased directories are available by contacting Chuck, or at the next meeting. The next regularly scheduled meeting of the CCARC will be held on October 19th at 1:00 PM. Location is the Red Cross Building, 1600 N. Cascade. Members are strongly encouraged to attend since we are hosting this one.....Mike Stansberry, WBØHCK gave a report on results of field day. It was noted that the two phone stations and the CW station tallied about 900 contacts. This figure fell short of the desired goal as the phone stations were forced to close down in the wee hours due to the lack of back-up operators, and the CW station experienced technical difficulties which required some off-the-air time. Particular note was made of the very stable and reliable operation of portable power this year. It was felt that in general this years field day was much improved over past years.....A motion was made and passed to hold the annual picnic and auction in September, probably the first Saturday or Sunday. Exact date to be decided at the next meeting. Gary Ledeke, WØPAI was appointed the picnic chairman.....Coffee break at 8:45 PM.....meeting reconvened at 9:10 PM.....Drawing was held for door prizes,....Since there was not any further business, meeting was adjourned at 9:20 PM.

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STAMP OUT AIR POLLUTION! ABOLISH CB!

FM OPERATION (Continued)

you can hear and understand a station does not mean that he has a good sounding quality signal. Many stations give reports such as "sounds fine, full quieting" to stations with only 15 db quieting, alternator whine, or vibrator hash, heavy clipping or distorted audio. Learn what a good signal is, what 10, 15, 20db quieting and full quieting signals really are. Get a decent speaker and microphone on that imported or domestic black box. Just because it is new and you paid mega-bucks for it, does not mean it sounds good.

As in any social group, community, club, fraternity, or what have you, there is bound to be growth and change. However, in our growth, let us not destroy the foundations on which we are building. Those who may not agree with part of, or all of these philosophies, are entitled to their viewpoints. But in disagreement, please do not destroy the usefulness of that which has been carefully and laboriously built by many over a period of years. Those who would operate in a different manner should, and are urged, to find and join groups who think like they do, or develop their own simplex and repeater channels (in accordance with the local repeater council).

Find your own frequency and do your own things, talk all day, QRZ the frequency, whatever, just don't impose your inflexible operating habits on an existing repeater or local simplex group that you just happened on with your brand new "little black box" radio that you just turned on. These suggestions are given sincerely, and with some levity, to help you continue to make FM enjoyable, and to make your local simplex calling channel (be it 146.94, 146.52 or whatever) a useful calling channel where all stations can be assured of assistance in time of need, and a quick exchange of greeting and information when desired.

From Mt. Vaca Radio Club's paper via ARNS BULLETIN and CCRC CIRCLE

LOGGING

Logging is no longer required of mobiles under the new rules effective July 10; portable and fixed operations now must log only the following: location and dates of any operation, signatures of visiting control operators and description of third party traffic if handled. We suggest you continue to keep a log of such record as to support your operations in the event it should become essential at some future time (licnese renewal, etc.)

WESTPARK RADIOPS

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CB'ers WANT CLEAN HOUSE

An organization of recreational vehicle owners who are on CB are pressing for stronger FCC action to curtail the illegal operations on that band. Calling their group the "RV 10-2 CB League" and with headquarters in Illinois, they are distributing forms on which reports of illegal use of the Citizens Radio Service will be made by RV owners. Presumably, the reports will be put at the disposal of the FCC and, as one observer commented, "I sure hope the supply of paper holds out!"

WR8ABC's

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THINK METRIC !

The metric system, being inevitable, as must be obvious to everyone by now, it behooves us all to learn and relearn a few things. For instance, re-gear your thinking to the following:

A miss is as good as 1.609 kilometers.

Take it with a decigram of salt.

He was beaten within 2.54 centimeters of his life.

28.350 grams of prevention are worth 453.59237 grams of cure.

Peter Piper picked 8.81 liters of pickled peppers.

And how about a girl who measures .9144, .6604, .9144 ??

HRC's Chewed Rag via
HRC's CHEWED RAG Via CCRC CIRCLE

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NEW REPEATER DIRECTORY

The 1974-75 edition of the ARRL Repeater Directory is now ready, detailing close to 1000 U. S and Canadian repeaters. Send a 7 by 10 inch envelope with 30 cents postage along with your address to ARRL, 225 Main St., Newington, Connecticul 06111.

SIGNAL SYSTEMS

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GEORGE WØGCH

WANT ADS

For Sale: Heathkit HP13A mobile power supply, $45.00. Excellant condition - 5 hours operating time. Bill Mueller, KØFHJ, phone 596-8118 evenings.

For Sale: Seneca 6 and 2 meter transmitter; 220-410 MHz receiver; SWR meter; Coax relay; Parts for phone patch; Meters, resistors, capacitors, plugs, transformers, etc; QST for 1959=1969. Phone 597-7523 evenings. Allan Ruppar, formerly K1PGJ.

Wanted: Hy-Gain 14AVQ antenna preferably with 80 Meter loading coil or 18 AVQ. Phone 635-7353 after 5:00 PM. Charles Smith, WAØZZS.

Want ads to move equipment or to locate some hard-to-find items are free to any reader of ZERO BEAT. Mail(do not phone) copy to editor.

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NICAD INFORMATION

Users of nicad batteries will find lots of useful information in a booklet published by General Electric. Write General Electric Company, Battery Products Division, Box 861, Gainesville, Florida 32601. Ask for "Nickel-Cadmium Battery Engineering Handbook"

HR REPORT Via BOULDER QSP

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COLO. SPRINGS,
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AUGUST

1974

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